



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Hua ZHANG et al.

Title: FABRICATION OF SOLID-STATE  
NANOSTRUCTURES INCLUDING SUB-50 NM  
SOLID-STATE NANOSTRUCTURES BASED ON  
NANOLITHOGRAPHY AND CHEMICAL ETCHING

Appl. No.: 10/725,939

Filing Date: 12/03/2003

Examiner: Unassigned

Art Unit: 1762

**AMENDMENT IN RESPONSE TO NOTICE UNDER 37 CFR §1.821-825**

Mail Stop Box Sequence  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Notification of Missing Requirements mailed on April 27, 2004, please amend the application as follows:

**IN THE SPECIFICATION:**

Please amend the specification as shown:

Please delete the description for Figure 24 on page 6, and replace it with the following description:

Figure 24. (A) Illustration of three-strand DNA hybridization scheme **(SEQ ID NOS 1-3, respectively in order of appearance)**. (B) TMAFM image of line features after hybridization with DNA (*b*)-modified nanoparticles. (C) High-resolution image of one of the lines in B. (D) TMAFM image of dot features after hybridization with DNA (*b*)-modified nanoparticles. (E) High-resolution image of 4 dots of the features in D.

Please delete the description for Figure 25 on page 7, and replace it with the following description:

Figure 25. (A) Illustration of two-strand DNA hybridization scheme **(SEQ ID NOS 4 and 3, respectively in order of appearance)**. (B) TMAFM image of line features after hybridization with